

Product datasheet for **RG211861**

TPTE2 (NM_130785) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TPTE2
Synonyms:	TPIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG211861 representing NM_130785
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAATGAAAGTCCACAGACAAACGAATTTAAAGGAACAACCGAGGAGGCACCTGCGAAAGAAAGCCAC
 ACACAAGTGAATTTAAAGGAGCAGCCCTGGTGTACCTATCAGTAAAAGAATATTTGGAGTTTCTCTGGT
 CTTACTGGATGTCACTCTCCTCCTTCCGACCTAATTTTCACTGACAGCAAACTTTATATTCCTTTGGAG
 TATCGTTCTATTTCTCTAGCTATTGGCTTATTTTTCTCATGGATGTTCTTCTCGAGTATTTGTAGAAG
 GATGGACACATTTAGTTCGACTTCTACGACTTATTATCTGATAAGAATTTTTCATCTGCTTCATCAAAA
 AAGACAACCTTGAAAAGCTGATGAGAAGGCTGGTTTCAGAAAAACAAAGGCGATACACAAGGGATGGATTT
 GACCTAGACCTCACTTACGTTACAGAACGTATTATTGCTATGTCTTCCATCTTCTGGAAGGCAGTCTT
 TCTATAGAAATCCAATTGAGGAAGTTGTGCGGTTTCTAGATAAGAAACATCGAAACCACTATCGAGTCTA
 CAATCTATGCAGTGAAAGAGCTTATGATCCTAAGCACTTCCATAATAGGTCAGTAGAATCATGATTGAT
 GATCATAATGTCCCACTCTACATGAGATGGTGGTTTTACCAAGGAAAGTAAATGAGTGGATGGCTCAAG
 ATCTTGAAAACATCGTAGCGATTCACTGTAAAGGAGGCAAGGAAGAACCAGGACTATGGTTTGTGCCCT
 CCTTATTGCCTCCGAAATATTTTAACTGCCGAGGAAAGCCTATATTATTTGGAGAAAGGCGAACCAAT
 AAAACCCACAGCAATAAATTTCAAGGAGTAGAACTCCTTCTCAGAATAGATATGTTGGATATTTTGCAC
 AAGTGAACATCTCTACAACCTGGAATCTCCCTCCAAGACGGATACTCTTTATAAAAAGATTCAATTTTA
 TTCGATTCTGGTGATGTATGTGATCTAAAAGTCCAAGTAGTAATGGAGAAAAAGTTGTCTTTTCCAGT
 ACTTCATTAGGAAATTGTTGATATTGCATGACATTGAAACAGACAAAGTATTAATTAATGTATATGACG
 GTCCACCTCTGTATGATGATGTGAAAGTGCAGTTTTTCTCTCGAATCTTCTAAATACTATGACAATTG
 TCCATTTTTCTTGGTTCAACACGTCTTTTATTCAAATAACAGGCTTTGTCTACCAAGAAATGAATTG
 GATAATCCACATAAAACAAAAGCATGGAATAATTATCCACCAGAATTTGCTGTGGAGATACTTTTGGCG
 AGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG211861 representing NM_130785
 Red=Cloning site Green=Tags(s)

MNESPQTNEFKGTTEEAPAKESPHTSEFKGAALVSPISKRIFGVFLVLLDVTLLLADLIFTDSKLYIPLE
 YRSISLAIGLFFLMDVLLRVFVEGWTHLVRLRLIILIRIFHLLHQKRLKLMRRLVSENKRRYTRDGF
 DLDLTYYTERIIAMSPSSGRQSFYRNPIEEVVRFLDKKRNHYRVYNLCSEAYDPKHFHNRVSRIMID
 DHNVPTLHEMVFTKEVNEWMAQDLENIVAIHCKGGKGRGTGMVCALLIASEIFLTAESLYYFGERRTN
 KTHSNKFQGVETPSQNRVYGYFAQVKHLYNWNLPPIRILFIKRFIIYSIRGDVCDLKVVVMEKKVVFSS
 TSLGNCSILHDIETDKVLINVYDGPLYYDDVKVQFFSSNLPKYDNCPPFFWFNTSFIQNNRLCLPRNEL
 DNPHKQKAWKIYPPEFAVEILFGEK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_130785

ORF Size: 1335 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

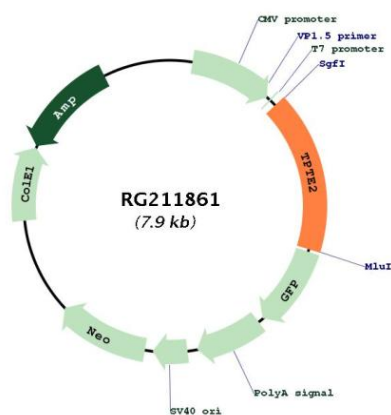
Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_130785.2](#), [NP_570141.2](#)

RefSeq Size:	1735 bp
RefSeq ORF:	1338 bp
Locus ID:	93492
UniProt ID:	Q6XPS3
Cytogenetics:	13q12.11
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	TPIP is a member of a large class of membrane-associated phosphatases with substrate specificity for the 3-position phosphate of inositol phospholipids.[supplied by OMIM, Jul 2002]

Product images:

Circular map for RG211861